

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 4, 2005, 12:02:12 ; Search time 76.9588
Seconds
(without alignments)
5591.830 Million cell
updates/sec

Title: US-09-300-482-4
Perfect score: 263
Sequence: 1
gaagcactttggatgttgc.....agnngnacntnnnnnganna 263

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*

1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*

2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*

3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

-----~

SUMMARIES

c	20	49	18.6	720	4	US-09-902-540-4
Sequence	4	Appli				
21	48.2	18.3		744	4	US-09-248-796A-3185
Sequence	3185	Ap				
c	22	48	18.3	2764	2	US-08-986-963-4
Sequence	4	Appli				
23	48	18.3	13121	3	US-08-961-527-126	
Sequence	126	App				
24	47.2	17.9	640681	4	US-09-790-988-1	
Sequence	1	Appli				
25	45.2	17.2	1554	3	US-09-134-001C-351	
Sequence	351	App				
26	44.6	17.0	219	3	US-09-134-001C-1197	
Sequence	1197	Ap				
27	42.6	16.2	2631	4	US-09-949-016-4987	
Sequence	4987	Ap				
c	28	42	16.0	3376	4	US-09-710-279-4055
Sequence	4055	Ap				
29	39.6	15.1	6995	4	US-09-531-266-1	
Sequence	1	Appli				
30	37.4	14.2	1461	3	US-08-445-463B-5	
Sequence	5	Appli				
31	37.4	14.2	1461	3	US-08-445-464C-5	
Sequence	5	Appli				
32	37.4	14.2	1461	3	US-08-044-857D-5	
Sequence	5	Appli				
33	37.4	14.2	1461	5	PCT-US94-03437-5	
Sequence	5	Appli				
34	37.2	14.1	1455	5	PCT-US94-03437-7	
Sequence	7	Appli				
35	37.2	14.1	1467	5	PCT-US94-03437-3	
Sequence	3	Appli				
36	37.2	14.1	1571	3	US-08-445-463B-3	
Sequence	3	Appli				
37	37.2	14.1	1571	3	US-08-445-464C-3	
Sequence	3	Appli				
38	37.2	14.1	1571	3	US-08-044-857D-3	
Sequence	3	Appli				
39	37.2	14.1	1696	1	US-07-737-071A-1	
Sequence	1	Appli				
40	37.2	14.1	1696	1	US-08-022-096-1	
Sequence	1	Appli				
41	37.2	14.1	1696	3	US-08-445-463B-7	
Sequence	7	Appli				
42	37.2	14.1	1696	3	US-08-445-464C-7	
Sequence	7	Appli				
..

43 37.2 14.1 1696 3 US-08-044-857D-7
Sequence 7, Appli
44 36.4 13.8 34266 4 US-09-949-016-13250
Sequence 13250, A
45 36.2 13.8 2853 4 US-09-620-312D-463
Sequence 463, App

ALIGNMENTS

RESULT 1
US-09-557-884-1/c
; Sequence 1, Application US/09557884
; Patent No. 6506581
; GENERAL INFORMATION:
; APPLICANT: Fleischmann et al.
; TITLE OF INVENTION: The Nucleotide sequence of
; the Haemophilus influenzae Rd Genome,
Fragments
; Thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3 1/2 inch diskette
; COMPUTER: Dell Pentium
; OPERATING SYSTEM: MS DOS v6.22
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/557,884
; FILING DATE: 25-Apr-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/476,102
; FILING DATE: JUN-5-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Michelle S. Marks
; REGISTRATION NUMBER: 41,971
; REFERENCE/DOCKET NUMBER: PB186P3
; TELECOMMUNICATION INFORMATION:
----- ^ ^ ^ ^ ^

TELEPHONE: 301-309-8504
TELEFAX: 301-309-8439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1830121 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-557-884-1

Query Match 23.3%; Score 61.4; DB 4; Length 1830121;
Best Local Similarity 52.1%; Pred. No. 1.3e-08;
Matches 110; Conservative 0; Mismatches 101; Indels 0; Gaps 0;

QY 173
 TACTAGGAAGGAATCNCAGTNAAAATCCTNCAGGTTAAGGGTTCAAANNAGNTTTG 232
 ||||| | | | | | |||| | | | | | |||||
 |||||
 Db 577236
 ATTAGGTAAAGAAACCGTTCAAAACTTGCTCGTATTACGTTTCAAATGGTTGGTTG
 577177

Qy	233	AGCCACCTTNGAGNNGNACNTNNNNNGANNA	263
Pb	577176	AACCGCTTGGAACCGTAATTCATTGATTA	577146

RESULT 2
US-09-643-990A-1/c
; Sequence 1, Application US/09643990A
; Patent No. 6528289
; GENERAL INFORMATION:
; APPLICANT: Robert D. Fleischmann
; Mark D. Adams
; Owen White
; Hamilton O. Smith
; J. Craig Venter
; TITLE OF INVENTION: The Nucleotide sequence of
; the Haemophilus influenzae Rd Genome,
Fragments
; Thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville,
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3 1/2 inch diskette
; COMPUTER: Dell Pentium
; OPERATING SYSTEM: MS DOS v6.22
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/643,990A
; FILING DATE: 23-Aug-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/487,429
; FILING DATE: 1995-06-07
; APPLICATION NUMBER: 08/426,787
; FILING DATE: 1995-04-21
; ATTORNEY/AGENT INFORMATION:
; NAME: Kenley K. Hoover
; REGISTRATION NUMBER: 40,302
; REFERENCE/DOCKET NUMBER: PB186P1C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-610-5790
; TELEFAX: 310-309-8439
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1830121 base pairs

Query Match 23.3%; Score 61.4; DB 4; Length 1830121;

Best Local Similarity 52.1%; Pred. No. 1.3e-08;
Matches 110; Conservative 0; Mismatches 101; Indels
0; Gaps 0;

Qy 53

Db 577356

ATGGCTGGAACGTATTATCGTTAAAAACCTTTGGTTACGATGAAAAAACAGCGCAA
577297

Qy 113

GGCTGACACAAATATCTCTTCAAACCTTCAGGAAAAGCAAATATAGAATTGANCATC 172

Db 577296

CATTAGACGTACAAATCCACCGTTCTTGAAGAACACCAAATTTATCGTATCGATCATT
577237

Qy 173

TA C T A G G A A G G A A T C N C A G T N A A A T C C T N C A G G T T A A G G G T T C A A A N N A G N T T T G 232

Db 577236

ATTTAGGTAAAGAAACCGTTCAAAACTTGCTCGTATTACGTTTCAAATGGTTGGTTG
5 771 77

Qy 233 AGCCACCTTNGAGNNGNACNTNNNNNGANNA 263

Db 577176 AACCGCTTGGAACCGTAATTGATTGATT 577146

RESULT 3

US-09-809-665A-7

; Sequence 7, Application US/09809665A

; Patent No. 6790950

GENERAL INFORMATION:

;

APPLICANT: Lowery E., David, et al.

;

TITLE OF INVENTION: Anti-Bacterial Vaccine Compositions

;

FILE REFERENCE: 28341/00435

;

CURRENT APPLICATION NUMBER: US/09/809,665A

;

CURRENT FILING DATE: 2001-03-15

;

PRIOR APPLICATION NUMBER: 60/153,453

;

PRIOR FILING DATE: 1999-09-10

;

PRIOR APPLICATION NUMBER: 60/128,689

;

PRIOR FILING DATE: 1999-04-09

;

PRIOR APPLICATION NUMBER: 09/545,199

;

PRIOR FILING DATE: 2000-04-06

;

NUMBER OF SEQ ID NOS: 197

;

SOFTWARE: PatentIn Ver. 2.0

;

SEQ ID NO 7

;

LENGTH: 6132

;

TYPE: DNA

;

ORGANISM: Pasteurella multocida

;

FEATURE:

;

NAME/KEY: CDS

;

LOCATION: (4032)..(4727)

;

OTHER INFORMATION: devB

US-09-809-665A-7

Query Match 22.7%; Score 59.6; DB 4; Length 6132;
Best Local Similarity 51.4%; Pred. No. 3.5e-09;
Matches 110; Conservative 0; Mismatches 104; Indels
0; Gaps 0;

Qy 50

AGAAGGGATGGAATCGATAATTTGAGAAGCCATTGGCTTGATGCACTTCTTCCC 109

A horizontal line with vertical tick marks at regular intervals, representing a timeline or a sequence of events.

Db 2903

AGTTGGCTGGAAAGCGTTAATGTGGAAAAACGTTGGTTATGATATAACGCACGGCAA 2962

Ov 110

ATAGGCTGACACAAATATCTTCTTCAAACTTCAGGAAAAGCAAATATATAAGAATTGANC 169

A diagram showing a sequence of vertical bars. The first group of four bars has a single vertical line above it. The second group of three bars has a double vertical line above it. The third group of five bars has a triple vertical line above it. The fourth group of four bars has a quadruple vertical line above it. The fifth group of three bars has a triple vertical line above it. The sixth group of two bars has a double vertical line above it. The seventh group of one bar has a single vertical line above it.

Db 2963

AAGAACTCGATATTCAAATTACCGTTCTTGATGAACACCAAATTATCGTATTGACC 3022

Qy 170

ATCTACTAGGAAGGAATCNCAGTNAAAATCCTNCAGGTTAAGGGTTCAAANNNAGNT 229

RESULT 5

US-09-710-279-3401
; Sequence 3401, Application US/09710279
; Patent No. 6703492
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS
AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/09/710,279
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3401
; LENGTH: 3015
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
synthetic
; OTHER INFORMATION: nucleic acid sequence
US-09-710-279-3401

Query Match 20.5%; Score 54; DB 4; Length 3015;
Best Local Similarity 54.5%; Pred. No. 1.8e-07;
Matches 114; Conservative 0; Mismatches 93; Indels
2; Gaps 1;

^ 4

Qy 45
 GACCCAGAAGGGATGGAATCGCATAATATTGAGAAGCCATTGGCTTGATGCACTT 104
 ||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| ||||
 || ||
 Db 1315
 GAACGTAAAAGGGTGATGCGAATAATTATAGAAAAACCATTGGTGATGATTAAAATC 1374

Qy 105
 TTCCCATAGGCTGACACAATATCTTCTTCAAACCTTCAGGAAAAGCAAATATAGAAT 164
 ||||| | |||| | ||| | |||| | | | |||| | |||| | |||| |
 ||||| | |||| |
 Db 1375
 T--GCAAAAAATTAAATAATCAAATAAGAAAGTCTTTAAGAAGAAAAATATTGGAAT 1432

Qy 165
 TGANCATCTACTAGGAAGGAATCNCAGTNAAAATCCTNCAGGTTAAGGGTTCAAANN 224
 ||||| | |||| | |||| | | | |||| | | | |||| | | | |||| |
 ||||| |
 Db 1433
 TGATCACTATTAGGTAAAGAAATGATTCAAATATTGAACGTCTACGATTTGAAACAC 1492

Qy 225 AGNTTTGAGCCACCTNGAGNNGNACNT 253
 ||||| | |||| | ||| | | |
 Db 1493 TATATTGAACCACTTGGATAATAAGT 1521

RESULT 6

US-09-710-279-3602/c

; Sequence 3602, Application US/09710279
 ; Patent No. 6703492
 ; GENERAL INFORMATION:
 ; APPLICANT: KIMMERLY, WILLIAM JOHN
 ; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS
 AND PROTEINS
 ; FILE REFERENCE: PU3480US
 ; CURRENT APPLICATION NUMBER: US/09/710,279
 ; CURRENT FILING DATE: 2000-11-09
 ; PRIOR APPLICATION NUMBER: 60/164,258
 ; PRIOR FILING DATE: 1999-11-09
 ; NUMBER OF SEQ ID NOS: 4472
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 3602
 ; LENGTH: 3081
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:

synthetic

; OTHER INFORMATION: nucleic acid sequence

US-09-710-279-3602

Query Match 20.5%; Score 54; DB 4; Length 3081;
Best Local Similarity 54.5%; Pred. No. 1.8e-07;
Matches 114; Conservative 0; Mismatches 93; Indels
2; Gaps 1;

Qy 45

Db 2346

GAACGTAAGGGGTGATGCGAATAATTATAGAAAAACCATTGGTGATGATTAAAATC 2287

Qy 105

||| ||| | | | |

Db 2286

165

QY 165 TGANCATCTACTAGGAAGGAATCNCAGTAAAATCCTNCAGGTTAAGGGTTCAAANN 224

1 1 1 1 1

Pb 2228

CONTINUATION

Qv 225 AGNTTTGAGCCACCTTNGAGNNGNACNT 253

225

Dh 2168 TATATTGAAACCACTTTGGAATAATAAGT 2140

RESULT 7

US-09-107-532A-1949

Sequence 1949. App.

Patent No. 6583275

GENERAL INFORMATION:

APPLICANT:

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; RELATING TO

ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS

AND THERAPEUTICS

NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD/ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Ariniello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781) 893-5007
TELEFAX: (781) 893-8277
INFORMATION FOR SEQ ID NO: 1949:
SEQUENCE CHARACTERISTICS:
LENGTH: 1548 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc_feature
LOCATION: (B) LOCATION 1...1548
SEQUENCE DESCRIPTION: SEQ ID NO: 1949:

85-09-107-552A-1949

Query Match 19.8%, Score 52, DB 4, Length 1540,

Best Local Similarity 48.3%; Pred. No. 5.9e-07;
Matches 112; Conservative 0; Mismatches 120; Indels
0; Gaps 0;

Db 419
CACAAAATATTATGACAAAAAATGGCTTCAATCGTTGATCATAGAAAAACCGTCGGTT 478

Db 479 CTGATTACAGTCTGCTTGAAATTGAACCAGCAAATCAGAGAAGTATTCCCAGAACAGAAG 538

Db 539 ATATTTGAGGATTGATCATTATTTAGGAAAAGAAATGATCCAAAACATCTGAGCTATCC 598

RESULT 8

US-08-956-171E-53

i Sequence 53, Application US/08956171E

; Patent No. 6593114

GENERAL INFORMATION:

APPLICANT: Charles Kunsch

i Gil H. Choi

j Patrick S. Dillon

Craig A. Rosen

;

; Michael R. Fannon

; TITLE OF INVENTION: *Staphylococcus aureus* Polynucleotides and Sequences

; NUMBER OF SEQUENCES: 5256

;
; CORRESPONDENCE ADDRESS:
;
; ADDRESSEE: Human Genome Sciences, Inc.
;
; STREET: 9410 Key West Avenue
;
; CITY: Rockville
;
; STATE: Maryland
;
; COUNTRY: USA
;
; ZIP: 20850
;
; COMPUTER READABLE FORM:
;
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
;
; COMPUTER: HP Vectra 486/33
;
; OPERATING SYSTEM: MSDOS version 6.2
;
; SOFTWARE: ASCII Text
;
; CURRENT APPLICATION DATA:
;
; APPLICATION NUMBER: US/08/956,171E
;
; FILING DATE: 20-Oct-1997
;
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: 60/009,861
;
; FILING DATE: January 5, 1996
;
; APPLICATION NUMBER: 08/781,986
;
; FILING DATE: January 3, 1997
;
; ATTORNEY/AGENT INFORMATION:
;
; NAME: Mark J. Hyman
;
; REGISTRATION NUMBER: 46,789
;
; REFERENCE/DOCKET NUMBER: PB248P1
;
; TELECOMMUNICATION INFORMATION:
;
; TELEPHONE: (240) 314-1224
;
; TELEFAX: (301) 309-8439
;
; INFORMATION FOR SEQ ID NO: 53:
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 16592 base pairs
;
; TYPE: nucleic acid
;
; STRANDEDNESS: double
;
; TOPOLOGY: linear
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 53:
US-08-956-171E-53

Query Match 19.5%; Score 51.4; DB 4; Length 16592;
Best Local Similarity 51.0%; Pred. No. 2.8e-06;
Matches 103; Conservative 0; Mismatches 99; Indels 0;
Gaps 0;

Qy 52
AAGGGATGGAATCGCATAATATTGAGAAGCCATTGGCTTGATGCACTTCTTCCAT 111
|| |||| || ||| | | | | || ||| || | ||| |
.. . . .

RESULT 9
US-08-781-986A-53
; Sequence 53, Application US/08781986A
; Patent No. 6737248
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides
and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A

;
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248PP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 53:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16592 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear

US-08-781-986A-53

Query Match 19.5%; Score 51.4; DB 4; Length 16592;
Best Local Similarity 51.0%; Pred. No. 2.8e-06;
Matches 103; Conservative 0; Mismatches 99; Indels 0;
Gaps 0;

Qy 52
AAGGGATGGAATCGCATAATATTGAGAAGCCATTGGCTTGATGCACTTCTTCCAT 111
|| |||| || ||| | | | || ||| || ||| || | ||| |
|| || |
Db 814
AAAGGATTAAACGCCTGTTATCGAAAAACCATTGGTAGTGATTAAATCAGCCGAA 873

Qy 112
AGGCTGACACAATATCTTCTTCAAACCTTCAGGAAAAGCAAATATAGAATTGANCAT 171
| | | | | ||| | | | || | | || | | ||| | ||| |
||||| ||
Db 874
GCATTAAACAATCAAATTCGAAATCATTAAAGAAGAAGAAATTATCGTATTGACCAC 933

Qy 172
CTACTAGGAAGGAATCNCAGTNAAAATCCTNCAGGTTAAGGGTTCAAANNAGNTTT 231
| ||||| | | | ||||| | | | ||| | | ||| | | | | |
|||
Db 934
TATTTAGGAAAAGACATGGTCAAAATATCGAGGTATTACGTTTGCAGTCGATGTTT 993

Qy 232 GAGCCACCTTNGAGNNGNACNT 253
|| || | || | | | | | |
Db 994 GAACCATTATGGAATAACAAAT 1015

RESULT 10
US-08-714-918-3/c
; Sequence 3, Application US/08714918
; Patent No. 6037123
; GENERAL INFORMATION:
; APPLICANT: Benton, Bret
; APPLICANT: Lee, Ving
; APPLICANT: Malouin, Francois
; APPLICANT: Martin, Patrick K.
; APPLICANT: Schmid, Molly B.
; APPLICANT: Sun, Dongxu
; TITLE OF INVENTION: STAPHYLOCOCCUS AUREUS ANTIBACTERIAL
; TITLE OF INVENTION: TARGET GENES
; NUMBER OF SEQUENCES: 111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/714,918
; FILING DATE: September 13, 1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,102
; FILING DATE: December 22, 1995
; APPLICATION NUMBER: 60/003,798
; FILING DATE: September 15, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
----- /----- ^ ^ ^ ^ ^

REFERENCE/DOCKET NUMBER: 222/005
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2494 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

US-08-714-918-3

Query Match 19.2%; Score 50.6; DB 3; Length 2494;
Best Local Similarity 50.0%; Pred. No. 2.1e-06;
Matches 101; Conservative 2; Mismatches 99; Indels
0; Gaps 0;

Qy 52

AAGGGATGGAATCGATAATATTGAGAAGCCATTGGCTTGATGCACTTCTCCAT 111
||| ||||| ||| ||||| | | | | ||| ||| ||||| ||| ||||| | |

| | | | |

Db 1425

AAAGGATTAAACGCCCTGTTATCGAAAAACCATTCGGTAGTGATTTAAAATCAGCCGAA 1366

Qy 112

⋮

Db 1365

GCATTAAACAAATCAAATTCTGTAATCATTAAAGAAGAAGAAATTAYCGTATKGACCAC 1306

Qy 172

1 1 1

Bb 1305

929 GAGGGAGCTTNGAGNNNNNNNN 952

Qy 232 GAGCCACCTTNGAGNNNGNACN 233
 || || || || || || ||
 Dh 1245 GAGCCATTATTCGAATTAAGAAAT 1224

RESULT 11

RESULTS II

; Sequence 3, Application US/09265315
; Patent No. 6187541
; GENERAL INFORMATION:
; APPLICANT: Benton, Bret
; APPLICANT: Lee, Ving J.
; APPLICANT: Malouin, Francois
; APPLICANT: Martin, Patrick K.
; APPLICANT: Schmid, Molly B.
; APPLICANT: Sun, Dongxu
; TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS
; TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS
; TITLE OF INVENTION: TARGET GENES
; NUMBER OF SEQUENCES: 111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/265,315
; FILING DATE: March 9, 1999
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/714,918
; FILING DATE: September 13, 1996
; APPLICATION NUMBER: 60/009,102
; FILING DATE: December 22, 1995
; APPLICATION NUMBER: 60/003,798
; FILING DATE: September 15, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 240/247
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2494 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

US-09-265-315-3

Query Match 19.2%; Score 50.6; DB 3; Length 2494;
Best Local Similarity 50.0%; Pred. No. 2.1e-06;
Matches 101; Conservative 2; Mismatches 99; Indels
0; Gaps 0;

Qy 52

AAGGGATGGAATCGATAATATTGAGAAGCCATTGGCTTGATGCACTTCTTCCCAT 111
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| | | |

Db 1425

AAAGGATTAAACGCCTGTTATCGAAAAACCATTCGTAGTGATTAAAATCAGCCGAA 1366

Qy 112

AGGCTGACACAATATCTTCTTCAAACTTTCAGGAAAAGCAAATATAGAATTGANCAT 171

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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Db 1365

GCATTAAACAAATCAAATCGTAAATCATTAAAGAAGAAGAAATTAYCGTATKGACCAC 1306

Qy 172

CTACTAGGAAGGAATCNCAGTAAAATCCTNCAGGTTAAGGGTTCAAAANNAGNTTT 231

11 of 11

Db 1305

TATTTAGGAAAAGACATGGTCAAAATATCGAGGTATTACGTTTGCGAATGCGATGTTT 1246

Qy 232 GAGCCACCTTNGAGNNNGACNT 253

Db 1245 GAACCATTATGGAATAACAAAT 1224

RESULT 12

US-09-265-315-3/c

i Sequence 3, Application US/09265315

; Patent No. 6187541

GENERAL INFORMATION:

APPLICANT: Benton, Bret

APPLICANT: Lee, Ving J.

; APPLICANT: Malouin, Francois
; APPLICANT: Martin, Patrick K.
; APPLICANT: Schmid, Molly B.
; APPLICANT: Sun, Dongxu
; TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS
; TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS
; TITLE OF INVENTION: TARGET GENES
; NUMBER OF SEQUENCES: 111
; CORRESPONDENCE ADDRESS:
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; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/265,315
; FILING DATE: March 9, 1999
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/714,918
; FILING DATE: September 13, 1996
; APPLICATION NUMBER: 60/009,102
; FILING DATE: December 22, 1995
; APPLICATION NUMBER: 60/003,798
; FILING DATE: September 15, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 240/247
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2494 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
- - - - -

TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS
TITLE OF INVENTION: TARGET GENES
NUMBER OF SEQUENCES: 111
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/266,417
FILING DATE: March 9, 1999
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/714,918
FILING DATE: September 13, 1996
APPLICATION NUMBER: 60/009,102
FILING DATE: December 22, 1995
APPLICATION NUMBER: 60/003,798
FILING DATE: September 15, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 240/248
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2494 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

Query Match 19.2%; Score 50.6; DB 3; Length 2494;
Best Local Similarity 50.0%; Pred. No. 2.1e-06;

RESULT 14
US-09-528-709-3/c
; Sequence 3, Application US/09528709
; Patent No. 6630303
; GENERAL INFORMATION:
; APPLICANT: Benton, Bret
; ; Lee, Ving
; ; Malouin, Francois
; ; Martin, Patrick K.
; ; Schmid, Molly B.
; ; Sun, Dongxu
; TITLE OF INVENTION: STAPHYLOCOCCUS AUREUS ANTIBACTERIAL
; ; TARGET GENES
; NUMBER OF SEQUENCES: 111
; CORRESPONDENCE ADDRESS:
; ; ADDRESSEE: Lyon & Lyon
; ; STREET: 633 West Fifth Street

Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MB
storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/528,709
FILING DATE: 17-Mar-2000
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/714,918
FILING DATE: September 13, 1996
APPLICATION NUMBER: 60/009,102
FILING DATE: December 22, 1995
APPLICATION NUMBER: 60/003,798
FILING DATE: September 15, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 222/005
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2494 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 3

SEQUEN
HC 00 E38 700 3

Query Match 19.2%; Score 50.6; DB 4; Length 2494;
Best Local Similarity 50.0%; Pred. No. 2.1e-06;
Matches 101; Conservative 2; Mismatches 99; Indels
0; Gaps 0;

Qv 52

AAGGGATGGAATCGATAATATTGAGAAGCCATTGGCTTGATGCACTTCTTCCCCAT 111

RESULT 15
US-09-527-745-3/c
; Sequence 3, Application US/09527745
; Patent No. 6638718
; GENERAL INFORMATION:
; APPLICANT: Benton, Bret
; ; Lee, Ving
; ; Malouin, Francois
; ; Martin, Patrick K.
; ; Schmid, Molly B.
; ; Sun, Dongxu
; TITLE OF INVENTION: STAPHYLOCOCCUS AUREUS ANTIBACTERIAL
; ; TARGET GENES
; NUMBER OF SEQUENCES: 111
; CORRESPONDENCE ADDRESS:
; ; ADDRESSEE: Lyon & Lyon
; ; STREET: 633 West Fifth Street
; ; Suite 4700
; ; CITY: Los Angeles
; ; STATE: California
; ; COUNTRY: U.S.A.
; ; ZIP: 90071-2066

;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/527,745
; FILING DATE: 17-Mar-2000
; CLASSIFICATION: 424
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/714,918
; FILING DATE: September 13, 1996
; APPLICATION NUMBER: 60/009,102
; FILING DATE: December 22, 1995
; APPLICATION NUMBER: 60/003,798
; FILING DATE: September 15, 1995
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 222/005
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
;
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2494 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-527-745-3

Query Match 19.2%; Score 50.6; DB 4; Length 2494;
Best Local Similarity 50.0%; Pred. No. 2.1e-06;
Matches 101; Conservative 2; Mismatches 99; Indels
0; Gaps 0;

Qy 52
AAGGGATGGAATCGCATAATATTGAGAAGCCATTGGCTTGATGCACTTCTTCCCAT 111
|| |||| || ||| | | | | || |||| || ||| |
|| |||
Db 1425
AAAGGATTAAACGCCTGTTATCGAAAAACCATTGGTAGTGATTAAAATCAGCCGAA 1366

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Search completed: May 4, 2005, 12:27:36
Job time : 81.9588 secs